

**Notice of Allowability**

Application No.

10/808,513

Examiner

Jung (John) Hur

Applicant(s)

SCHWEICKERT ET AL

Art Unit

2824

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Amendment, filed 28 February 2006.
2. ☒ The allowed claim(s) is/are 1-15 and 17-21.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some\* c) ☐ None of the:
- ☒ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- ☐ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
- ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
- ☐ Notice of Informal Patent Application (PTO-152)
- ☐ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_\_
- ☒ Examiner's Amendment/Comment
- ☐ Examiner's Statement of Reasons for Allowance
- ☐ Other \_\_\_\_\_

  
RICHARD ELMS  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2800

### **DETAILED ACTION**

#### ***Amendment***

1. Acknowledgment is made of applicant's Amendment, filed 28 February 2006. The changes and remarks disclosed therein have been considered.

Claim 16 has been cancelled by Amendment. Therefore, claims 1-15 and 17-21 are pending in the application.

#### ***Specification***

2. Acknowledgment is made of applicant's Substitute Specification, filed 28 February 2006. It has been entered.

#### ***Drawings***

3. The replacement drawing sheets were received on 28 February 2006. The drawings in the replacement sheets are acceptable.

### **EXAMINER'S AMENDMENT**

4. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

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5. Authorization for this examiner's amendment was given in a telephone interview with Mr. Chad Billings on 20 March 2006.

6. The application has been amended as follows (to correct minor errors and clarify antecedent bases):

In Abstract, line 1, "which can be" has been deleted.

In claim 1, line 5, "references" has been replaced with --reference-- (singular).

In claim 1, line 9, "respective charge reference" has been replaced with --respective first and second charge references-- (plural).

In claim 1, line 10, "pseudo-differential amplifiers" has been replaced with --pseudo-differential reference sense amplifiers--.

In claim 2, line 2, "the pseudo-differential" has been replaced with --the first and second pseudo-differential--.

In claim 6, line 2, "that" has been deleted.

In claim 10, line 2, "device" has been replaced with --devices-- (plural).

In claim 10, line 4, "device" has been replaced with --devices-- (plural).

In claim 10, line 11, "the first common output node and the second common output node of the charge reference means" has been replaced with --said pair of common output nodes-- (plural).

In claim 11, line 4, "the common output nodes of the charge reference device" has been replaced with --said pair of common output nodes--.

In claim 14, line 7 from the bottom, "two reference" has been replaced with --two pseudo-differential reference--.

In claim 14, line 6 from the bottom, "reference memory" has been replaced with --reference ferroelectric memory--.

In claim 14, line 5 from the bottom, "said reference" has been replaced with --said two reference--, and a comma has been inserted after "states".

In claim 14, line 4 from the bottom, "said pseudo-differential reference sense amplifier circuit" has been replaced with --said two pseudo-differential reference sense amplifier circuits-- (plural).

In claim 17, the dependency has been changed to claim 14 (instead of claim 16).

In claim 17, line 2, "the first and the second" has been replaced with --said two pseudo-differential--.

In claim 17, line 4, "one sense" has been replaced with --one pseudo-differential sense--.

In claim 18, line 2, "one sense" has been replaced with --one pseudo-differential sense--, and "one reference" has been replaced with --one pseudo-differential reference--.

In claim 21, line 2, "said sense" has been replaced with --said pseudo-differential sense--.

#### ***Allowable Subject Matter***

7. Claims 1-15 and 17-21 are allowed.

The record of the prosecution as a whole makes clear the reasons for the indication of allowable subject matter.

*Conclusion*

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jung (John) Hur whose telephone number is (571) 272-1870. The examiner can normally be reached on M-F 6:30 AM - 3:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Richard Elms can be reached on (571) 272-1869. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

jhh



*Accepted*  
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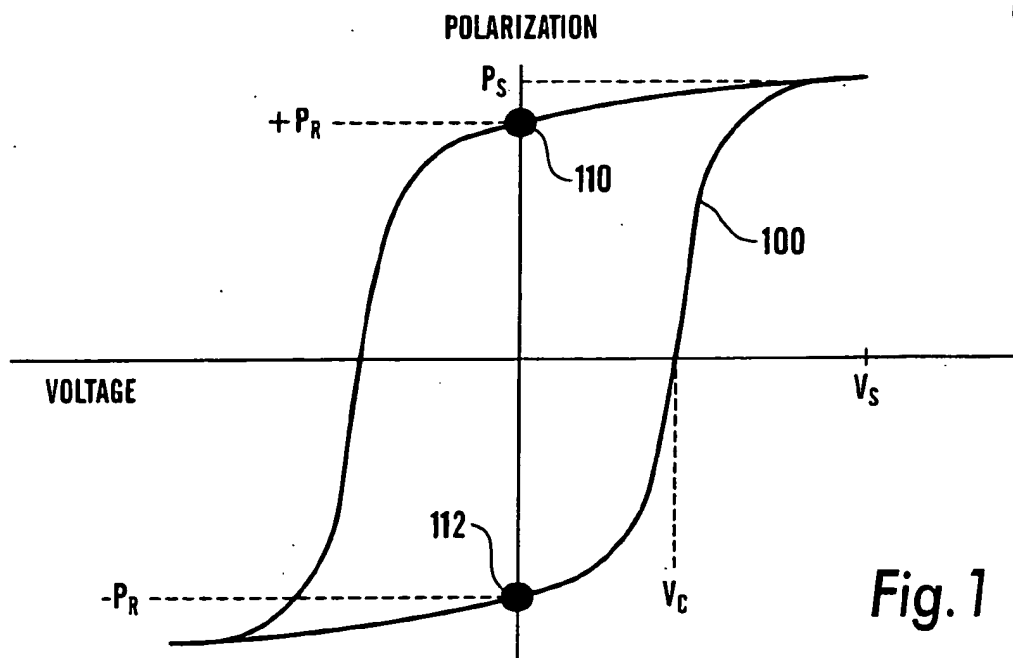


Fig. 1

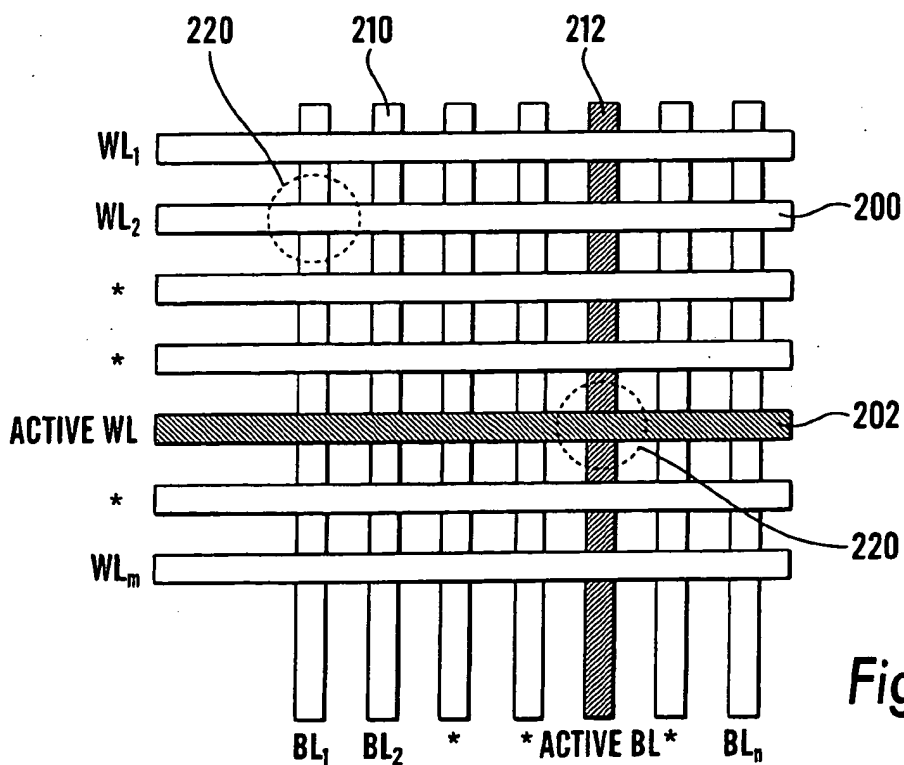


Fig. 2a